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US PAT NO: 5,316,656 [IMAGE AVAILABLE]

L1: 1 of 3

ABSTRACT:

Molecular sieve agglomerates exhibiting reduced pore mouth blockage and decreased diffusivity resistance to the internal sieve pores result from coating, prior to addition of a binding agent to the sieve, the molecular sieve particles with an organic polymer, fixing the polymer to the sieve surface so that it exhibits no migratory tendencies and subsequently removing the coating by combustion during calcination of the formed agglomerate. Such agglomerates showed enhanced activity and selectivity in typical refining processes such as dewaxing and fluid catalytic cracking. The molecular sieve agglomerates also may be employed in other hydrocarbon conversion processes such as hydrocracking, dehydrocyclization, isomerization, hydrofining, reforming, and dealkylation.

US PAT NO: 5,168,084 [IMAGE AVAILABLE]

L1: 2 of 3

ABSTRACT:

Molecular sieve agglomerates exhibiting reduced pore mouth blockage and decreased diffusivity resistance to the internal sieve pores result from coating, prior to addition of a binding agent to the sieve, the molecular sieve particles with an organic polymer, fixing the polymer to the sieve surface so that it exhibits no migratory tendencies and subsequently removing the coating by combustion during calcination of the formed agglomerate. Such agglomerates showed enhanced activity and selectivity in typical refining processes such as dewaxing and fluid catalytic cracking.

US PAT NO: 4,436,614 [IMAGE AVAILABLE]

L1: 3 of 3

ABSTRACT:

A desulfurizing and dewaxing process which can be performed in a single reaction vessel is disclosed.

The desired lowering of oil partial pressure for dewaxing zone is accomplished by adding diluent gas to the HDS-zone effluent, thus obviating the need for other means to maintain differing oil partial pressures between serial catalyst zones.